Inde	ex of C	laims	

Application/Control No	Apr
------------------------	-----

Applicant(s)/Patent under Reexamination

TAKADA ET AL.

10/603,870

Examiner

2877

Art Unit

Roy M. Punnoose

Rejected Allowed

-	(Through numeral) Cancelled
÷	Restricted

Z	Non-Elected
1	Interference

A	Appeal
0	Objected

Claim		aim	Ι) ata						Cla	im				г	ate	
1 \(\) 51 52 3 = 53 54 4 \(\) 55 53 54 5 \(\) 55 55 56 77 \(\) 57 8 \(\) 56 77 \(\) 57 8 \(\) 58 9 \(\) 57 8 \(\) 58 9 \(\) 60 11 \(\) 61 11 \(\) 61 11 \(\) 61 11 \(\) 61 11 \(\) 61 11 \(\) 62 2 13 \(\) 63 3 <td><u> </u></td> <td>1111</td> <td> </td> <td></td> <td></td> <td></td> <td></td> <td><u> </u></td> <td>Г</td> <td></td> <td>Γ</td> <td></td> <td></td> <td></td> <td></td> <td>_</td> <td></td> <td></td> <td></td> <td>Ť</td>	<u> </u>	1111	 					<u> </u>	Г		Γ					_				Ť
S2	Final	Original	9/12/05										Final	Original						
S2		1	1							\vdash				51	-					Г
S3	 		_			П		┢		 				52						Г
4 V 54 55 55 56 7 7 V 55 56 57 8 V 56 57 8 V 58 9 V 59 10 V 60 11 V 60 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 <td< td=""><td><u> </u></td><td></td><td></td><td>Г</td><td>_</td><td></td><td>_</td><td></td><td></td><td>Т</td><td></td><td></td><td></td><td>53</td><td></td><td></td><td></td><td></td><td></td><td>Г</td></td<>	<u> </u>			Г	_		_			Т				53						Г
5 \ \ \ 55 56 \ \ 56 \ \ 56 \ \ 56 \ \ 56 \ \ 56 \ \ 56 \ \ 58 \ 9 \ \ 58 \ \$59 \ \ \$58 \ \$59 \ \ \$60 \ \ \$10 \ \ \$10 \ \ \$10 \ \ \$10 \ \ \$10 \			V				\vdash		T	_				54						Ī
6 \lambda \lambda					Г		-			\vdash										
7 √ 8 √ 9 √ 110 √ 60 61 111 √ 62 63 14 64 15 65 16 66 17 68 19 69 20 70 21 72 22 73 24 74 25 75 26 77 28 78 29 30 30 80 31 82 33 83 34 84 35 86 37 88 39 90 40 90 41 92 44 94 95 96 97 99 30 99						Г	_	_	\vdash	_				56						Г
8 √ 9 √ 10 √ 60 61 11 √ 61 62 13 √ 64 63 65 66 67 66 67 66 67 70 20 70 21 71 22 73 24 74 25 75 26 76 27 77 28 79 30 80 31 80 31 80 33 83 34 84 35 86 37 85 38 86 37 88 39 90 40 90 41 91 42 92 43 94 44 94 45 95 46 96 <t< td=""><td></td><td></td><td></td><td></td><td>_</td><td></td><td>_</td><td>-</td><td></td><td></td><td>_</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Г</td></t<>					_		_	-			_									Г
9 \(\)						_														Γ
10 √ 60 11 √ 62 13 √ 63 14 4 64 15 65 16 67 17 68 19 68 20 70 21 71 22 72 23 73 24 74 25 76 27 77 28 78 29 79 30 80 31 81 32 83 33 84 35 86 37 88 39 89 40 90 41 92 43 94 44 99 45 96 97 97 98 99					Г									59						Γ
11 √ 61 62 63 13 √ 63 64 64 64 15 66 65 66 67 68 69 67 68 69 70 70 70 70 70 70 71 72 73 74 72 73 74 74 72 73 74 74 75 75 75 75 75 76 77 78 79 30 80 81 81 82 33 83 84 84 85 86 86 86 86 86 88 89 90 90 90 90 90 90 90 94 94 94 94 94 94 94 94 96 96 96 96 96 97 97 98 99 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Γ</td></td<>																				Γ
12 \ \							Г													Г
13 \lambda 63 64 15 65 65 66 16 66 67 68 19 68 69 70 21 71 72 73 22 73 74 72 23 73 74 75 26 76 77 78 29 79 30 80 31 32 82 83 33 34 84 84 35 86 86 86 37 88 88 89 40 90 90 91 41 91 92 93 43 94 94 95 46 96 96 96 47 97 98 99			1											62						Г
14 15 64 65 16 66 67 68 17 68 68 69 18 69 70 70 21 71 72 73 24 74 75 76 27 77 78 79 30 31 82 83 32 33 83 83 33 34 84 84 35 86 86 87 38 88 89 90 41 91 91 92 43 94 94 94 45 96 97 98 49 99 99 99			1			_														Γ
15 65 16 66 17 68 19 68 20 70 21 71 22 72 23 73 24 74 25 76 26 76 27 77 28 78 29 79 30 80 31 82 33 83 34 84 35 85 36 86 37 88 39 90 40 90 41 91 42 92 43 94 45 96 46 97 48 98 49 99			Т		-									64						Г
16 17 66 67 18 68 69 20 70 71 21 71 72 22 73 74 25 75 75 26 77 77 28 79 78 29 79 80 31 81 81 32 82 82 33 83 84 35 86 85 36 87 88 39 89 90 40 90 90 41 91 91 42 92 93 43 94 94 45 96 96 47 97 48 49 99 99														65						Г
17 18 19 68 20 70 21 71 22 72 23 73 24 74 25 75 26 77 28 79 30 80 31 81 32 83 33 83 34 84 35 85 36 87 38 88 39 90 40 90 41 91 42 92 43 94 44 94 45 96 47 97 48 98 49 99			┢																	T
18 68 19 69 20 70 21 71 22 73 23 74 25 75 26 76 27 77 28 78 29 79 30 80 31 81 32 82 33 84 35 85 36 86 37 87 38 88 39 90 40 90 41 91 42 92 43 94 44 94 45 95 46 96 47 97 48 98 49 99														67						Г
19 69 20 70 21 71 22 72 23 74 25 75 26 76 27 77 28 79 30 80 31 81 32 82 33 84 35 85 36 86 37 88 39 89 40 90 41 91 42 92 43 94 44 94 45 96 47 97 48 98 49 99			┪		\vdash				Г					68						Г
20 70 21 71 22 72 23 74 25 75 26 76 27 77 28 78 29 79 30 80 31 81 32 83 33 84 35 85 36 86 37 88 38 86 37 87 38 89 40 90 41 91 42 92 43 94 44 94 45 96 47 97 48 98 49 99	<u> </u>		┢	<u> </u>	1	_				_	İ									T
21 71 22 72 23 73 24 74 25 75 26 76 27 77 28 79 30 80 31 81 32 83 33 84 35 85 36 86 37 87 38 88 39 90 41 91 42 92 43 94 44 94 45 96 47 97 48 98 49 99					<u> </u>			\vdash				1		70						
22 3 72 73 24 74 74 74 25 75 76 77 28 77 77 78 79 30 80 81 82 33 84 82 83 34 84 84 83 35 86 86 87 38 88 88 89 40 90 90 90 41 91 91 92 43 94 94 94 45 96 96 97 48 99 99 99	-	21			\vdash	_		<u> </u>				1								Г
23 73 24 74 25 75 26 76 27 77 28 78 29 80 30 81 32 82 33 84 35 85 36 86 37 88 39 88 40 90 41 91 42 92 43 94 45 96 47 97 48 98 49 99					_	-				\vdash	T	1		72						Г
24 74 25 75 26 76 27 77 28 78 29 79 30 80 31 82 33 84 35 85 36 87 38 88 39 89 40 90 41 91 42 92 43 94 45 96 47 97 48 98 49 99		23				_			Г			1		73						Γ
25 75 26 76 27 77 28 78 29 79 30 80 31 81 32 83 33 84 35 85 36 87 38 88 39 89 40 90 41 91 42 92 43 94 44 94 45 96 47 97 48 98 49 99		24			Г				<u> </u>			1								Γ
26 76 27 77 28 78 29 80 30 81 31 82 33 83 34 84 35 85 36 87 38 88 39 89 40 90 41 91 42 92 43 94 45 96 47 97 48 98 49 99					Г					Т		1		75						Γ
27 28 77 78 29 79 80 81 30 81 82 83 31 82 83 84 35 86 85 86 37 87 88 89 40 90 90 90 41 91 92 93 43 93 94 94 45 96 96 97 48 98 99		26	Г	┰					İ	T				76						Г
28 78 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 90 41 91 42 92 43 93 44 94 45 96 47 97 48 98 49 99		27	1	-			Т													Γ
29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 94 45 95 46 96 47 97 48 98 49 99				 		_		Т		—				78						Γ
30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 90 40 90 41 91 42 92 43 93 44 94 45 96 47 97 48 98 49 99		29			Т	\vdash		T	T			i		79						Г
31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 87 39 89 40 90 41 91 42 92 43 93 44 94 45 96 47 97 48 98 49 99		30	<u> </u>		Г					Г		1		80						Г
32 82 33 83 34 84 35 85 36 86 37 87 38 87 39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99			1		Г	_	-					1		81						Γ
33 83 34 84 35 85 36 86 37 88 38 87 38 88 39 90 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99			<u> </u>	-	T			T				1	—	82		_				Γ
34 84 35 85 36 86 37 88 38 87 38 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99			<u> </u>	\vdash				<u> </u>			1	1		83						Γ
35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99		34	_	┪				Г	T	Г	\vdash	1		84			Π			Τ
36 86 37 87 38 88 39 88 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99			-		Г		T			T		1		85		_	\Box		Ι	T
37 87 38 88 39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99			!			┰						1		86		Π				Γ
38 88 39 90 40 91 41 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99		37						Г	\vdash			1		87						Т
39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99				\vdash	<u> </u>		t	t	1	†		1								T
40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99			一	<u> </u>	1		<u> </u>					1						Γ		Г
42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99						<u> </u>	1	T				1							П	Τ
42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99		41	1	T		T	1					1		91						Т
43 93 44 94 45 95 46 96 47 97 48 98 49 99		42		\vdash	T					<u> </u>		1								Γ
44 94 45 95 46 96 47 97 48 98 49 99								İ			Т	1		93						Γ
45 95 96 96 97 48 98 99 99 99			1	Τ	Τ	Γ	Π	Τ	1	T	1	1		94						Γ
46 96 97 97 97 48 98 99 99 99			1			Τ	Т	1		1.	Т	1		95	Π	Ī		ŀ		Γ
47 97 98 98 99 99 99		46	T		П	Τ.	T	Π	T	П	Π	1		96			Γ			Г
48 98 99 99 99 99 99 99 99 99 99 99 99 99			Г	Π		Τ	1		Π	Π		1		97					Γ	Γ
49 99 99				Π	Τ	Τ		Π	Π	Т	1	1		98		L			Г	Γ
		49		Π					Ī	Ī		1		99						Γ
		50	Ī							Γ	Γ]							L^{T}	Ι

Cla	im					ate	-			
		П						٦	T	
=	Original			ł			- [l		
Final	: <u>ē</u> ∣									
141	δl	1				.			l	
									_	
	51						ı		- 1	
	52		\Box							
	53	T	_							
-	54		\dashv	-			\dashv	_		_
	54	-		_		-		-		
\vdash	55	_	\dashv		-		\dashv	_		
	56		_						_	_
	57									
	58									
	59			_						
—	60		-		\neg	Н	_			
\vdash	61		-	-			\vdash			
\vdash	61	_	_		-	\vdash	-			
\perp	62 63	_			Ш					
	63									
	64									
	65									
-	66	-			_	Н	\Box		\vdash	
	67	-	-		Н	H			-	
	67	_	-		_		-			
	68		_							
	69									
	70									
	71									
	72									
	72					_				
	73 74		-							_
	/4		_						_	
	75									
	76									
	76 77									
	78						-			
—	79	\vdash			_					
	80					-		-		
ļ	80	-			<u> </u>		_			
L	81	Щ								<u> </u>
L	82				L_		$ldsymbol{ld}}}}}}$			
	83									
	84									
	85	\vdash		-	\vdash	 				T
 	86	\vdash	-	\vdash	\vdash	\vdash	-	-	\vdash	
-	00	\vdash	_	<u> </u>			\vdash		-	├
ļ	87	Ш		<u> </u>	<u> </u>	<u> </u>	<u> </u>			L
	88			<u> </u>	<u> </u>	_	lacksquare			L
L	89	L		L	L	L	L			
	90			l						
	91									
	92	Н		_		T				
\vdash	93	H		├		 	\vdash	-	\vdash	
					\vdash		-	 	-	
	94			_	ـــــ	ļ	<u> </u>	<u> </u>	<u> </u>	┞
	95	L.,		<u> </u>	·	L	L_			<u> </u>
	96			<u> </u>	L	L	L	L	L	L^{-}
	97				Г				_	
	98				T	Г	Г			Г
	99	_	_	Т	T		\vdash	\vdash	\vdash	\vdash
-	100	-	-	 	\vdash	\vdash	-	\vdash	\vdash	├-
1	1100	ı	ı	ı	1	ı	1	1	ı	1

Cla	Date										
_	Original										
Final	gi									il	
ш	Ö							•			
	101 102 103 104										
	102										
	103										
	100	 			_			-			
	104			\vdash		\vdash		_	_		
	105	<u> </u>				_				-	
	105 106 107			_							
	107					L.,					
	108 109 110 111									1	
	109										
	110										
	111		_	-	-	\vdash				-	
	440	-	-	\vdash	\vdash	├-	-		<u> </u>		
	112			<u> </u>	<u> </u>	-		_			
	113		L_	L_	<u> </u>	<u> </u>		L		Ш	
	114								L	Ш	
	115				_	_		L	L		
	116										
	113 114 115 116 117 118 119	Ι				Г					
	119	\vdash	-	-	-	╁		-		Н	
	110	\vdash		⊢				-	\vdash	Н	
	119	<u> </u>	_	<u> </u>			_	<u> </u>		\vdash	
	120	<u> </u>				L_				\square	
	121								<u> </u>		
	122										
	123	1				1.					
	124									П	
	120 121 122 123 124 125 126 127 128 129 130	\vdash	-	<u> </u>		-	 	\vdash		Н	
	125	┢	-	-	 	\vdash	├-		-	-	
	120	├-	_	├	-	⊢	⊢	-		\vdash	
	127	ऻ—		_	<u> </u>	<u> </u>	<u> </u>	<u> </u>	_	\vdash	
	128		_	L	$ldsymbol{ld}}}}}}$			_	_	Ŀ	
L	129					L				Ш	
	130		Г	Π							
	131	İ		\vdash							
	132 133	†	 		Н	_	1			т	
	122	 	├	\vdash	\vdash	-	╁╾╴	\vdash	╁	Н	
<u> </u>	133	├		├-	\vdash	⊢	-	\vdash	-	\vdash	
<u> </u>	134	\vdash	\vdash	⊢	-	 	-	-		Ш	
	135	<u> </u>	_	<u> </u>	L.	Ļ	_	Ь.	<u> </u>	Ш	
L	135 136 137			<u>L</u>	<u></u>			L.	L	Ш	
	137						1	l			
	138 139				Γ	Γ	Γ			П	
	139			1			t			М	
 	140	t^-		т		 	T	t^-		Н	
	141	-		╁╌	┢┈		<u> </u>	-	┢┈	-	
<u> </u>	141	\vdash	-	\vdash	\vdash	-	-	├	 	-	
<u> </u>	142	ـ	-	 	 	+	-	-	-	 	
	143	1_	$oxed{oxed}$	_	_	L	<u></u>	_	_	\perp	
	144	L	L	L	L			L			
Γ	145	Г			Γ						
	146					Г	Π	Π	Γ	П	
 	147	t^{-}	1	 	\vdash	\vdash	1	 		1	
		╁	┼	\vdash	┼	╁	+-	╁	+-	\vdash	
	148	+-	⊢	⊢	-	+	+	-	+-	-	
<u> </u>	149	ـــ	\vdash		ــ	\vdash	₩	-		-	
L	150			<u> </u>	$oxed{L}$	l	L	1	L_	L	
									_		